

**§ 169.525**

**46 CFR Ch. I (10–1–08 Edition)**

attaching the painter must be provided by a wire or line that—

- (i) Encircles the body of the device;
- (ii) Will not slip off;
- (iii) Has a breaking strength that is at least the breaking strength of the painter; and
- (iv) If synthetic, is of a dark color or is of a material certified to be resistant to deterioration from ultraviolet light.

(4) The float-free link described in paragraphs (d)(1) and (d)(2) of this section is not required if the vessel operates solely in waters that have a depth less than the length of the painter.

(5) If the vessel carries more than one life float, the life floats may be grouped and each group secured by a single painter, provided that—

- (i) The combined weight of each group of life floats does not exceed 400 pounds;
- (ii) Each life float is individually attached to the painter by a line that meets paragraphs (d)(2) and (d)(3) of this section and which is long enough so that each can float without contacting any other life float in the group; and
- (iii) The strength of the float-free link and the strength of the painter under paragraphs (d)(1)(ii) and (d)(2) of this section is determined by the combined capacity of the group of life floats.

(6) Each life float, as stowed, must be capable of easy launching. Life floats weighing over 400 pounds must not require lifting before launching.

(7) Life floats must be secured to the vessel only by a painter and lashings that can be easily released or by hydraulic releases. They must not be stowed in more than four tiers. When stowed in tiers, the separate units must be kept apart by spacers.

(8) There must be means to prevent shifting.

(e) *Hydraulic Releases.* Each hydraulic release used in the installation of any inflatable liferaft or life float must meet subpart 160.062 of this chapter.

**EQUIPMENT FOR PRIMARY LIFESAVING APPARATUS**

**§ 169.525 General.**

(a) Equipment for primary lifesaving apparatus must be kept in good condition.

(b) Lifeboats, inflatable liferafts and lifeboats must be fully equipped before the vessel is navigated and throughout the voyage.

(c) No person may stow in any lifeboat, inflatable liferaft, or lifeboat any article not required by this subpart unless the article is authorized by the OCMI, in good working order, and properly stowed so as not to reduce the seating capacity, the space available to the occupants, or adversely affect the seaworthiness of the lifesaving apparatus.

(d) Loose equipment, except boathooks in lifeboats, must be securely attached to the lifesaving appliance to which it belongs.

**§ 169.527 Required equipment for lifeboats.**

Lifeboats must be equipped in accordance with Table 169.527. This equipment is described in § 169.529.

**TABLE 169.527**

Letter identification and item	Exposed and partially protected waters	Protected waters
a—Bailer .....	1	None
b—Bilge pump .....	1	None
c—Boathooks .....	2	1
d—Bucket .....	2	1
e—Compass and mounting .....	1	None
f—Ditty bag .....	1	None
g—Drinking cup .....	1	None
h—Fire extinguisher (motor-propelled lifeboats only) .....	2	2
i—First-aid kit .....	1	None
j—Flashlight .....	1	None
k—Hatchet .....	2	1
l—Heaving line .....	2	None
m—Jackknife .....	1	None
n—Ladder, lifeboat, gunwale ....	1	None
o—Lantern .....	1	1
p—Lifeline .....	1	1
q—Life preservers .....	2	2
r—Locker .....	1	None
s—Mast and sail (oar-propelled lifeboats only) .....	1	None
t—Matches (boxes) .....	2	1
u—Mirror, signaling .....	2	None
v—Oars (units) .....	1	1
w—Oil, illuminating (quarts) ....	1	None
x—Oil, storm, (gallons) .....	1	None
y—Painter .....	2	1
z—Plug .....	1	1
aa—Provisions (per person) .....	2	None
bb—Rowlocks (units) .....	1	1
cc—Rudder and tiller .....	1	None
dd—Sea anchor .....	1	None
ee—Signals, distress, floating orange smoke .....	2	None
ff—Signals, distress, red hand flare (units) .....	1	None
gg—Signals, distress, red parachute flare (units) .....	1	None

TABLE 169.527—Continued

Letter identification and item	Exposed and partially protected waters	Protected waters
hh—Tool kit (motor-propelled lifeboats only) .....	1	1
ii—Water (quarts per person) ....	3	None
jj—Whistle, signaling .....	1	None
kk—Fishing kit .....	1	None
ll—Cover, protecting .....	1	None
mm—Signals, lifesaving .....	1	None

**§ 169.529 Description of lifeboat equipment.**

(a) *Bailer*. The bailer must have a lanyard attached and must be of sufficient size and suitable for bailing.

(b) *Bilge pump*. Bilge pumps must be approved under subpart 160.044 of this chapter. They must be of the size given in Table 169.529(b) depending upon the capacity of the lifeboat as determined by the six-tenths rule as described in § 160.035–9(b) of this chapter.

TABLE 169.529(b)

Capacity of lifeboat, cubic feet		Bilge pump size
Over—	Not over—	
330	330	1
700	700	2
	.....	3

(c) *Boathooks*. Boathooks must be of the single hook ballpoint type. Boat-hook handles must be of clear grained white ash, or equivalent, and of a length and diameter as given in Table 169.529(c).

TABLE 169.529(c)

Length of lifeboat, feet		Boathook handles	
Over—	Not over—	Diameter, inches	Length, feet
	23	1.50	8
23	29	1.75	10
29		2	12

(d) *Bucket*. Each bucket must be of heavy gage galvanized iron, or other suitable corrosion-resistant metal, of not less than 2-gallon capacity, and must have a 6-foot lanyard of 12-thread manila or equivalent attached.

(e) *Compass and mounting*. The compass and mounting must be of an approved type.

(f) *Ditty bag*. The ditty bag must consist of a canvas bag or equivalent and must contain a sailmaker's palm, nee-

dles, sail twine, marline, and marline spike.

(g) *Drinking cups*. Drinking cups must be enamel coated or plastic, graduated in milliliters or ounces, and provided with lanyards 3 feet in length.

(h) *Fire extinguishers*. Each fire extinguisher must be an approved Type B-C, Size I. One must be attached to each end of the lifeboat.

(i) *First-aid kit*. The first-aid kit must be approved under subpart 160.041 of this chapter.

(j) *Flashlights*. Each flashlight must be approved under § 94.20–15(j) of this chapter. Three spare cells (or one 3-cell battery) and two spare bulbs, stowed in a watertight container, must be provided with each flashlight. Batteries must be replaced yearly during the annual stripping, clearing, and overhaul of the lifeboat.

(k) *Hatchets*. Hatchets must be approved under subpart 160.013 of this chapter. They must be attached to the lifeboat by individual lanyards and be readily available for use, one at each end of the lifeboat.

(l) *Heaving line*. The heaving line must be of adequate strength, 10 fathoms in length, and 1 inch in circumference. It must remain buoyant after being submerged for 24 hours.

(m) *Jackknife*. The jackknife must be approved under subpart 160.043 of this chapter.

(n) *Ladder, lifeboat gunwale*. The lifeboat gunwale ladder must consist of 3 flat wood steps with cut outs for hand holds. The steps must be spaced 12 inches apart and fastened with 5/8 inch diameter manila rope or equivalent. Each rope end must be tied inside the lifeboat at about amidships with the ladder stowed on top of the side benches and ready for immediate use.

(o) *Lantern*. The lantern must contain sufficient oil to burn for at least 9 hours, and be ready for immediate use. In totally enclosed lifeboats, an interior lighting system may be used in lieu of a lantern.

(p) *Lifeline*. The lifeline must be properly secured to both sides of the lifeboat along its entire length, festooned in bights not longer than 3 feet, with a seine float in each bight. The float may